

## ABSTRACT

### METHOD AND APPARATUS FOR INTERFERENCING TDM AND PACKET BASED COMMUNICATION ON A VDSL COMMUNICATION MEDIUM

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An method and apparatus for provisioning multiple Next and fractional T1 along with packet based communications over a shared X-DSL communication link is disclosed. The communication link may be wired or wireless. The current invention  
10 provides a method and apparatus for flexibly provisioning businesses and other high bandwidth users, with multiple communication channels and multiple service types, both packet based and SDM/TDM. An efficient and configurable method and apparatus for multiplexing of both packets and STM channels on to a single VDSL frame is disclosed. At the receiver in the NT the VDSL receiver as explained is  
15 configured to de-multiplex individual channels and route them to individual users/suits within the building.